

To: Sheldrake, Sean[sheldrake.sean@epa.gov]
Cc: Pedersen, Rob[Pedersen.Rob@epa.gov]; Schulze, Chad[Schulze.Chad@epa.gov];
Humphrey, Alan[Humphrey.Alan@epa.gov]
From: Rainer Lohmann
Sent: Fri 5/20/2016 6:17:47 PM
Subject: Re: Passive sampling deployments in the Lower Willamette River

Sean,
sure, I can do that, and see what SERP thinks. Thanks also for the maps - I can open them after all, it just took some time as some files are very large. I will share a draft description of potential sites in the Lower Willamette in the near future.

Rainer

Hello again Rainer,

Thanks again for the call today. In looking at our travel numbers again, could you increase the funding amount to \$14k? That will allow Our environmental response team to participate with one member and help avail our combined expertise on passive sampling for the effort.

Thank you.

S

Sean Sheldrake, Unit Diving Officer, RPM

EPA Region 10, 1200 Sixth Ave., Suite 900; Mailstop DOC-01

Seattle, WA 98101

206.553.1220 desk

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<http://yosemite.epa.gov/r10/cleanup.nsf/sites/ptldharbor>

<http://www.epa.gov/region10/dive/>

206.553.6379 Dive Operations Center

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From: Rainer Lohmann [<mailto:rlohmann@uri.edu>]
Sent: Friday, April 22, 2016 12:33 PM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>
Subject: Re: Passive sampling deployments in the Lower Willamette River

sorry Sean,

I ran out of time today with a MS defense etc. I am on the road on Monday, but will try 9am pacific time; else I will make sure to talk to you in early may!

Rainer

Rainier, Sure thing, I have some time tomorrow morning pacific time, if that works, or Monday morning 9-10.

This might be useful to guide conversation (final RI):
<https://semspub.epa.gov/src/collection/10/SC33273> in terms of where the sampling would be of the most use to the ongoing cleanup.

After that it will need to be 5/9 or later as I'll be in meetings/teaching 4/27-5/6.

Thank you.

S

Sean Sheldrake, Unit Diving Officer, RPM

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From: Rainer Lohmann [<mailto:rlohmann@uri.edu>]

Sent: Tuesday, April 19, 2016 2:48 PM

To: Sheldrake, Sean <sheldrake.sean@epa.gov>

Cc: Lynch, Kira <lynch.kira@epa.gov>; Humphrey, Alan <Humphrey.Alan@epa.gov>

Subject: Re: Passive sampling deployments in the Lower Willamette River

Sean,

actually, is there a chance to talk to you about this potential project over the next couple of weeks?

I'd like to get a better idea of what would be of interest to you in terms of locations, scope, etc. I will need this to prepare my 'bait' for SERDP..

many thanks

Rainer

Thanks Rainier; we'll stay tuned.

S

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From: Rainer Lohmann [<mailto:rlohmann@uri.edu>]

Sent: Monday, April 18, 2016 9:25 AM

To: Sheldrake, Sean <sheldrake.sean@epa.gov>

Cc: Lynch, Kira <lynch.kira@epa.gov>; Humphrey, Alan
<Humphrey.Alan@epa.gov>

Subject: Re: Passive sampling deployments in the Lower Willamette River

Hello Sean,

thanks for getting back to me. At this point, I will submit my final 'proof of concept' report to SERDP within the next few weeks (mid May or so). At that stage, they might ask me for a follow-up proposal, which would include a transition to field deployments, such as at your site. My hope is that if I can show that there are a couple of sites (Newark Bay, Lower Willamette) that we are asked to submit a full proposal, which would then detail locations, deployments, QA, outcomes and costs details as necessary.

Rainer

Some detailed REPLIES below

Hello Rainier,

I'd be happy to talk further with you about doing a joint project on the Willamette. A few questions for you.

1- do you know if serdp travel dollars might be available for this? Most of my divers are in Seattle and would need to travel down with a boat.

ANY FUTURE WORK WILL BE PART OF A PROPOSAL TO SERDP, ND WE'D NEED TO INCLUDE WHATEVER IS NEEDED FOR SUCCESSFUL FIELD-WORK

2-there is some expectation if we put in time on a research project that we could join in the paper for authorship; would that work for you? This also helps justify spending time upfront with you to offer our expertise on quality assurance issues. We're also very interested in getting more of the data quality aspects of the deployment and retrieval into a journal and this might be a good opportunity.

CERTAINLY YES ON ALL FRONTS YOU MENTIONED.

3- there would be more support from my program if we could help you select sampling sites based on greatest probability of site specific application of the data for upcoming remedial design. Are you amenable to that? As a project manager on the Portland Harbor site I see value in collecting this baseline data before cleanup gets underway.

ABSOLUTELY, YOUR INPUT WILL BE IMPORTANT TO GET THE RIGHT SITES, I ASSUME WE'D HAVE A DISCUSSION TO AGREE ON WHICH SITES ARE FEASIBLE AND RELEVANT.

Just a little food for thought. Thank you for reaching out and I'll be back in the office this next week.

S

Sean Sheldrake, Unit Diving Officer, RPM

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Sent from my iPhone

On Apr 14, 2016, at 2:37 PM, Rainer Lohmann <rlohmann@uri.edu> wrote:

Dear Mr Sheldrake,

I am currently at the SERDP sediment meeting, where I presented progress on a 'proof of concept' passive sampling for dioxins, PCBs and other HOCs. The next step would be a field deployment at a site contaminated with several of these contaminants. Your name and site was mentioned to me, hence my email to you. The samplers can be deployed either in the water column (or atmosphere) or in the sediments directly to obtain a measure of porewater concentrations to predict bioaccumulation in benthic invertebrates.

I look forward to hearing from you.

Sincerely

Rainer Lohmann

-- Rainer Lohmann Professor of Oceanography Graduate
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